

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/776,773  
Source: IFWO  
Date Processed by STIC: 6-6-05

# ***ENTERED***

**CRF Errors Edited by the STIC Systems  
Branch**

Serial Number: 10/776,773

CRF Edit Date: 6/6/05  
Edited by: KE

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically: /

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 06/06/2005

PATENT APPLICATION: US/10/776,773

TIME: 16:26:46

Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

4 <110> APPLICANT: Jakobovits, Aya  
 5 Morrison, Robert Kendall  
 6 Raitano, Arthur B.  
 7 Challita-Eid, Pia M.  
 8 Perez-Villar, Juan J.  
 9 Morrison, Karen Jane Meyrick  
 10 Faris, Mary  
 11 Ge, Wangmao  
 12 Gudas, Jean  
 13 Kanner, Steven B.  
 15 <120> TITLE OF INVENTION: Nucleic Acids and Corresponding Proteins  
 16 Named 158P1D7 Useful in the Treatment and Detection of  
 17 Bladder and Other Cancers  
 20 <130> FILE REFERENCE: 51158-20050.20  
 22 <140> CURRENT APPLICATION NUMBER: US 10/776,773  
 23 <141> CURRENT FILING DATE: 2004-02-10  
 25 <150> PRIOR APPLICATION NUMBER: US 10/280,340  
 26 <151> PRIOR FILING DATE: 2002-10-25  
 28 <150> PRIOR APPLICATION NUMBER: US 10/277,292  
 29 <151> PRIOR FILING DATE: 2002-10-21  
 31 <150> PRIOR APPLICATION NUMBER: US 09/935,430  
 32 <151> PRIOR FILING DATE: 2001-08-22  
 34 <150> PRIOR APPLICATION NUMBER: US 60/446,633  
 35 <151> PRIOR FILING DATE: 2003-02-10  
 37 <150> PRIOR APPLICATION NUMBER: US 60/227,098  
 38 <151> PRIOR FILING DATE: 2000-08-22  
 40 <150> PRIOR APPLICATION NUMBER: US 60/282,739  
 41 <151> PRIOR FILING DATE: 2001-04-10  
 43 <160> NUMBER OF SEQ ID NOS: 113  
 45 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 47 <210> SEQ ID NO: 1  
 48 <211> LENGTH: 231  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Homo sapiens  
 52 <400> SEQUENCE: 1  
 53 gatctgataa gctttcaatg ttgcgctcct gacaatgtat tagaagtcct gatggggata 60  
 54 ggactttgca gttacaagga atagggcaga aaggtcctgg aagttgagtg gatggctttg 120  
 55 taatataagg tatcaaacct ggtgctttgg tgggtagttt tagaatggac gtgggtcttag 180  
 56 ttgacatgcg actatcattt attgaagatg ttgctgccag atgtaatgat c 231  
 58 <210> SEQ ID NO: 2  
 59 <211> LENGTH: 2555  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Homo sapiens

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## RAW SEQUENCE LISTING

DATE: 06/06/2005

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TIME: 16:26:46

Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

63 &lt;220&gt; FEATURE:

64 &lt;221&gt; NAME/KEY: CDS

65 &lt;222&gt; LOCATION: (23)...(2548)

67 &lt;400&gt; SEQUENCE: 2

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68 tcggatttca tcacatgaca ac atg aag ctg tgg att cat ctc ttt tat tca 52
69                               Met Lys Leu Trp Ile His Leu Phe Tyr Ser
70                               1           5           10
72 tct ctc ctt gcc tgt ata tct tta cac tcc caa act cca gtg ctc tca 100
73 Ser Leu Leu Ala Cys Ile Ser Leu His Ser Gln Thr Pro Val Leu Ser
74                               15           20           25
76 tcc aga ggc tct tgt gat tct ctt tgc aat tgt gag gaa aaa gat ggc 148
77 Ser Arg Gly Ser Cys Asp Ser Leu Cys Asn Cys Glu Glu Lys Asp Gly
78                               30           35           40
80 aca atg cta ata aat tgt gaa gca aaa ggt atc aag atg gta tct gaa 196
81 Thr Met Leu Ile Asn Cys Glu Ala Lys Gly Ile Lys Met Val Ser Glu
82                               45           50           55
84 ata agt gtg cca cca tca cga cct ttc caa cta agc tta tta aat aac 244
85 Ile Ser Val Pro Pro Ser Arg Pro Phe Gln Leu Ser Leu Leu Asn Asn
86                               60           65           70
88 ggc ttg acg atg ctt cac aca aat gac ttt tct ggg ctt acc aat gct 292
89 Gly Leu Thr Met Leu His Thr Asn Asp Phe Ser Gly Leu Thr Asn Ala
90 75                               80           85           90
92 att tca ata cac ctt gga ttt aac aat att gca gat att gag ata ggt 340
93 Ile Ser Ile His Leu Gly Phe Asn Asn Ile Ala Asp Ile Glu Ile Gly
94                               95           100          105
96 gca ttt aat ggc ctt ggc ctc ctg aaa caa ctt cat atc aat cac aat 388
97 Ala Phe Asn Gly Leu Gly Leu Leu Lys Gln Leu His Ile Asn His Asn
98                               110          115          120
100 tct tta gaa att ctt aaa gag gat act ttc cat gga ctg gaa aac ctg 436
101 Ser Leu Glu Ile Leu Lys Glu Asp Thr Phe His Gly Leu Glu Asn Leu
102                               125          130          135
104 gaa ttc ctg caa gca gat aac aat ttt atc aca gtg att gaa cca agt 484
105 Glu Phe Leu Gln Ala Asp Asn Asn Phe Ile Thr Val Ile Glu Pro Ser
106                               140          145          150
108 gcc ttt agc aag ctc aac aga ctc aaa gtg tta att tta aat gac aat 532
109 Ala Phe Ser Lys Leu Asn Arg Leu Lys Val Leu Ile Leu Asn Asp Asn
110 155                               160          165          170
112 gct att gag agt ctt cct cca aac atc ttc cga ttt gtt cct tta acc 580
113 Ala Ile Glu Ser Leu Pro Pro Asn Ile Phe Arg Phe Val Pro Leu Thr
114                               175          180          185
116 cat cta gat ctt cgt gga aat caa tta caa aca ttg cct tat gtt ggt 628
117 His Leu Asp Leu Arg Gly Asn Gln Leu Gln Thr Leu Pro Tyr Val Gly
118                               190          195          200
120 ttt ctc gaa cac att ggc cga ata ttg gat ctt cag ttg gag gac aac 676
121 Phe Leu Glu His Ile Gly Arg Ile Leu Asp Leu Gln Leu Glu Asp Asn
122                               205          210          215
124 aaa tgg gcc tgc aat tgt gac tta ttg cag tta aaa act tgg ttg gag 724
125 Lys Trp Ala Cys Asn Cys Asp Leu Leu Gln Leu Lys Thr Trp Leu Glu
126                               220          225          230

```

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TIME: 16:26:46

Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

128	aac atg cct cca cag tct ata att ggt gat gtt gtc tgc aac agc cct	772
129	Asn Met Pro Pro Gln Ser Ile Ile Gly Asp Val Val Cys Asn Ser Pro	
130	235 240 245 250	
132	cca ttt ttt aaa gga agt ata ctc agt aga cta aag aag gaa tct att	820
133	Pro Phe Phe Lys Gly Ser Ile Leu Ser Arg Leu Lys Lys Glu Ser Ile	
134	255 260 265	
136	tgc cct act cca cca gtg tat gaa gaa cat gag gat cct tca gga tca	868
137	Cys Pro Thr Pro Pro Val Tyr Glu Glu His Glu Asp Pro Ser Gly Ser	
138	270 275 280	
140	tta cat ctg gca gca aca tct tca ata aat gat agt cgc atg tca act	916
141	Leu His Leu Ala Ala Thr Ser Ser Ile Asn Asp Ser Arg Met Ser Thr	
142	285 290 295	
144	aag acc acg tcc att cta aaa cta ccc acc aaa gca cca ggt ttg ata	964
145	Lys Thr Thr Ser Ile Leu Lys Leu Pro Thr Lys Ala Pro Gly Leu Ile	
146	300 305 310	
148	cct tat att aca aag cca tcc act caa ctt cca gga cct tac tgc cct	1012
149	Pro Tyr Ile Thr Lys Pro Ser Thr Gln Leu Pro Gly Pro Tyr Cys Pro	
150	315 320 325 330	
152	att cct tgt aac tgc aaa gtc cta tcc cca tca gga ctt cta ata cat	1060
153	Ile Pro Cys Asn Cys Lys Val Leu Ser Pro Ser Gly Leu Leu Ile His	
154	335 340 345	
156	tgt cag gag cgc aac att gaa agc tta tca gat ctg aga cct cct ccg	1108
157	Cys Gln Glu Arg Asn Ile Glu Ser Leu Ser Asp Leu Arg Pro Pro Pro	
158	350 355 360	
160	caa aat cct aga aag ctc att cta gcg gga aat att att cac agt tta	1156
161	Gln Asn Pro Arg Lys Leu Ile Leu Ala Gly Asn Ile Ile His Ser Leu	
162	365 370 375	
164	atg aag tct gat cta gtg gaa tat ttc act ttg gaa atg ctt cac ttg	1204
165	Met Lys Ser Asp Leu Val Glu Tyr Phe Thr Leu Glu Met Leu His Leu	
166	380 385 390	
168	gga aac aat cgt att gaa gtt ctt gaa gaa gga tcg ttt atg aac cta	1252
169	Gly Asn Asn Arg Ile Glu Val Leu Glu Glu Gly Ser Phe Met Asn Leu	
170	395 400 405 410	
172	acg aga tta caa aaa ctc tat cta aat ggt aac cac ctg acc aaa tta	1300
173	Thr Arg Leu Gln Lys Leu Tyr Leu Asn Gly Asn His Leu Thr Lys Leu	
174	415 420 425	
176	agt aaa ggc atg ttc ctt ggt ctc cat aat ctt gaa tac tta tat ctt	1348
177	Ser Lys Gly Met Phe Leu Gly Leu His Asn Leu Glu Tyr Leu Tyr Leu	
178	430 435 440	
180	gaa tac aat gcc att aag gaa ata ctg cca gga acc ttt aat cca atg	1396
181	Glu Tyr Asn Ala Ile Lys Glu Ile Leu Pro Gly Thr Phe Asn Pro Met	
182	445 450 455	
184	cct aaa ctt aaa gtc ctg tat tta aat aac aac ctc ctc caa gtt tta	1444
185	Pro Lys Leu Lys Val Leu Tyr Leu Asn Asn Asn Leu Leu Gln Val Leu	
186	460 465 470	
188	cca cca cat att ttt tca ggg gtt cct cta act aag gta aat ctt aaa	1492
189	Pro Pro His Ile Phe Ser Gly Val Pro Leu Thr Lys Val Asn Leu Lys	
190	475 480 485 490	
192	aca aac cag ttt acc cat cta cct gta agt aat att ttg gat gat ctt	1540

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Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

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193 Thr Asn Gln Phe Thr His Leu Pro Val Ser Asn Ile Leu Asp Asp Leu
194          495          500          505
196 gat tta cta acc cag att gac ctt gag gat aac ccc tgg gac tgc tcc 1588
197 Asp Leu Leu Thr Gln Ile Asp Leu Glu Asp Asn Pro Trp Asp Cys Ser
198          510          515          520
200 tgt gac ctg gtt gga ctg cag caa tgg ata caa aag tta agc aag aac 1636
201 Cys Asp Leu Val Gly Leu Gln Gln Trp Ile Gln Lys Leu Ser Lys Asn
202          525          530          535
204 aca gtg aca gat gac atc ctc tgc act tcc ccc ggg cat ctc gac aaa 1684
205 Thr Val Thr Asp Asp Ile Leu Cys Thr Ser Pro Gly His Leu Asp Lys
206          540          545          550
208 aag gaa ttg aaa gcc cta aat agt gaa att ctc tgt cca ggt tta gta 1732
209 Lys Glu Leu Lys Ala Leu Asn Ser Glu Ile Leu Cys Pro Gly Leu Val
210 555          560          565          570
212 aat aac cca tcc atg cca aca cag act agt tac ctt atg gtc acc act 1780
213 Asn Asn Pro Ser Met Pro Thr Gln Thr Ser Tyr Leu Met Val Thr Thr
214          575          580          585
216 cct gca aca aca aca aat acg gct gat act att tta cga tct ctt acg 1828
217 Pro Ala Thr Thr Asn Thr Ala Asp Thr Ile Leu Arg Ser Leu Thr
218          590          595          600
220 gac gct gtg cca ctg tct gtt cta ata ttg gga ctt ctg att atg ttc 1876
221 Asp Ala Val Pro Leu Ser Val Leu Ile Leu Gly Leu Leu Ile Met Phe
222          605          610          615
224 atc act att gtt ttc tgt gct gca ggg ata gtg gtt ctt gtt ctt cac 1924
225 Ile Thr Ile Val Phe Cys Ala Ala Gly Ile Val Val Leu Val Leu His
226          620          625          630
228 cgc agg aga aga tac aaa aag aaa caa gta gat gag caa atg aga gac 1972
229 Arg Arg Arg Arg Tyr Lys Lys Lys Gln Val Asp Glu Gln Met Arg Asp
230 635          640          645          650
232 aac agt cct gtg cat ctt cag tac agc atg tat ggc cat aaa acc act 2020
233 Asn Ser Pro Val His Leu Gln Tyr Ser Met Tyr Gly His Lys Thr Thr
234          655          660          665
236 cat cac act act gaa aga ccc tct gcc tca ctc tat gaa cag cac atg 2068
237 His His Thr Thr Glu Arg Pro Ser Ala Ser Leu Tyr Glu Gln His Met
238          670          675          680
240 gtg agc ccc atg gtt cat gtc tat aga agt cca tcc ttt ggt cca aag 2116
241 Val Ser Pro Met Val His Val Tyr Arg Ser Pro Ser Phe Gly Pro Lys
242          685          690          695
244 cat ctg gaa gag gaa gaa gag agg aat gag aaa gaa gga agt gat gca 2164
245 His Leu Glu Glu Glu Glu Glu Arg Asn Glu Lys Glu Gly Ser Asp Ala
246          700          705          710
248 aaa cat ctc caa aga agt ctt ttg gaa cag gaa aat cat tca cca ctc 2212
249 Lys His Leu Gln Arg Ser Leu Leu Glu Gln Glu Asn His Ser Pro Leu
250 715          720          725          730
252 aca ggg tca aat atg aaa tac aaa acc acg aac caa tca aca gaa ttt 2260
253 Thr Gly Ser Asn Met Lys Tyr Lys Thr Thr Asn Gln Ser Thr Glu Phe
254          735          740          745
256 tta tcc ttc caa gat gcc agc tca ttg tac aga aac att tta gaa aaa 2308
257 Leu Ser Phe Gln Asp Ala Ser Ser Leu Tyr Arg Asn Ile Leu Glu Lys

```

## RAW SEQUENCE LISTING

DATE: 06/06/2005

PATENT APPLICATION: US/10/776,773

TIME: 16:26:46

Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

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258          750          755          760
260 gaa agg gaa ctt cag caa ctg gga atc aca gaa tac cta agg aaa aac 2356
261 Glu Arg Glu Leu Gln Gln Leu Gly Ile Thr Glu Tyr Leu Arg Lys Asn
262          765          770          775
264 att gct cag ctc cag cct gat atg gag gca cat tat cct gga gcc cac 2404
265 Ile Ala Gln Leu Gln Pro Asp Met Glu Ala His Tyr Pro Gly Ala His
266          780          785          790
268 gaa gag ctg aag tta atg gaa aca tta atg tac tca cgt cca agg aag 2452
269 Glu Glu Leu Lys Leu Met Glu Thr Leu Met Tyr Ser Arg Pro Arg Lys
270 795          800          805          810
272 gta tta gtg gaa cag aca aaa aat gag tat ttt gaa ctt aaa gct aat 2500
273 Val Leu Val Glu Gln Thr Lys Asn Glu Tyr Phe Glu Leu Lys Ala Asn
274          815          820          825
276 tta cat gct gaa cct gac tat tta gaa gtc ctg gag cag caa aca tag 2548
277 Leu His Ala Glu Pro Asp Tyr Leu Glu Val Leu Glu Gln Gln Thr *
278          830          835          840
280 atggaga 2555
282 <210> SEQ ID NO: 3
283 <211> LENGTH: 841
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 3
288 Met Lys Leu Trp Ile His Leu Phe Tyr Ser Ser Leu Leu Ala Cys Ile
289 1          5          10          15
290 Ser Leu His Ser Gln Thr Pro Val Leu Ser Ser Arg Gly Ser Cys Asp
291          20          25          30
292 Ser Leu Cys Asn Cys Glu Glu Lys Asp Gly Thr Met Leu Ile Asn Cys
293          35          40          45
294 Glu Ala Lys Gly Ile Lys Met Val Ser Glu Ile Ser Val Pro Pro Ser
295          50          55          60
296 Arg Pro Phe Gln Leu Ser Leu Leu Asn Asn Gly Leu Thr Met Leu His
297 65          70          75          80
298 Thr Asn Asp Phe Ser Gly Leu Thr Asn Ala Ile Ser Ile His Leu Gly
299          85          90          95
300 Phe Asn Asn Ile Ala Asp Ile Glu Ile Gly Ala Phe Asn Gly Leu Gly
301          100          105          110
302 Leu Leu Lys Gln Leu His Ile Asn His Asn Ser Leu Glu Ile Leu Lys
303          115          120          125
304 Glu Asp Thr Phe His Gly Leu Glu Asn Leu Glu Phe Leu Gln Ala Asp
305          130          135          140
306 Asn Asn Phe Ile Thr Val Ile Glu Pro Ser Ala Phe Ser Lys Leu Asn
307 145          150          155          160
308 Arg Leu Lys Val Leu Ile Leu Asn Asp Asn Ala Ile Glu Ser Leu Pro
309          165          170          175
310 Pro Asn Ile Phe Arg Phe Val Pro Leu Thr His Leu Asp Leu Arg Gly
311          180          185          190
312 Asn Gln Leu Gln Thr Leu Pro Tyr Val Gly Phe Leu Glu His Ile Gly
313          195          200          205
314 Arg Ile Leu Asp Leu Gln Leu Glu Asp Asn Lys Trp Ala Cys Asn Cys

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/776,773

DATE: 06/06/2005  
TIME: 16:26:47

Input Set : N:\KEISHA\10776773.txt  
Output Set: N:\CRF4\06032005\J776773.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; Xaa Pos. 1,3,13 ✓



**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/776,773

DATE: 06/06/2005

TIME: 16:26:47

Input Set : N:\KEISHA\10776773.txt

Output Set: N:\CRF4\06032005\J776773.raw

L:2728 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2733 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
L:2737 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
L:2738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0



IFWO

**RAW SEQUENCE LISTING**

DATE: 05/27/2005

PATENT APPLICATION: US/10/776,773

TIME: 08:25:21

Input Set : E:\51158-20050.20 - seq list reformatted (from client).txt

Output Set: N:\CRF4\05272005\J776773.raw

4 <110> APPLICANT: Jakobovits, Aya  
 5 Morrison, Robert Kendall  
 6 Raitano, Arthur B.  
 7 Challita-Eid, Pia M.  
 8 Perez-Villar, Juan J.  
 9 Morrison, Karen Jane Meyrick  
 10 Faris, Mary  
 11 Ge, Wangmao  
 12 Gudas, Jean  
 13 Kanner, Steven B.  
 15 <120> TITLE OF INVENTION: Nucleic Acids and Corresponding Proteins  
 16 Named 158P1D7 Useful in the Treatment and Detection of  
 17 Bladder and Other Cancers  
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 32 <151> PRIOR FILING DATE: 2001-08-22  
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 35 <151> PRIOR FILING DATE: 2003-02-10  
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 38 <151> PRIOR FILING DATE: 2000-08-22  
 40 <150> PRIOR APPLICATION NUMBER: US 60/282,739  
 41 <151> PRIOR FILING DATE: 2001-04-10  
 43 <160> NUMBER OF SEQ ID NOS: 113  
 45 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

(pg. 2)

**ERRORED SEQUENCES**

5523 <210> SEQ ID NO: 113  
 5524 <211> LENGTH: 110  
 5525 <212> TYPE: PRT  
 5526 <213> ORGANISM: Homo sapiens  
 5528 <400> SEQUENCE: 113  
 5529 Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly  
 5530 1 5 10 15  
 5531 Gln Arg Ala Thr Ile Ser Tyr Arg Ala Ser Lys Ser Val Ser Thr Ser  
 5532 20 25 30

## RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/776,773

TIME: 08:25:22

Input Set : E:\51158-20050.20 - seq list reformatted (from client).txt

Output Set: N:\CRF4\05272005\J776773.raw

5533 Gly Tyr Ser Tyr Met His Trp Asn Gln Gln Lys Pro Gly Gln Pro Pro  
5534 35 40 45  
5535 Arg Leu Leu Ile Tyr Leu Val Ser Asn Leu Glu Ser Gly Val Pro Ala  
5536 50 55 60  
5537 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His  
5538 65 70 75 80  
5539 Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln His Ile Arg  
5540 85 90 95  
5541 Glu Leu Thr Arg Ser Glu Gly Gly Pro Ser Trp Arg Ser Asn  
5542 100 105 110

E--&gt; 5547 1

*Deleted*

## VERIFICATION SUMMARY

DATE: 05/27/2005

PATENT APPLICATION: US/10/776,773

TIME: 08:25:23

Input Set : E:\51158-20050.20 - seq list reformatted (from client).txt

Output Set: N:\CRF4\05272005\J776773.raw

L:2728 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2733 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
L:2737 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
L:2738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:5547 M:332 E (32) Invalid/Missing Amino Acid Numbering, SEQ ID:113 ✓